

**Flood Control Project Maintenance**  
**2011 Structure Summary Report**  
**Overall Unit and Item Ratings**

**Reclamation District No. 0999 Netherlands**

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**Elk Slough Inlet Structure**

| Overall Unit Rating | Rated Item                        | Item Rating |
|---------------------|-----------------------------------|-------------|
| A                   | Vegetation & Obstructions         | A           |
|                     | Shoaling / Sedimentation          | A           |
|                     | Erosion / Bank Caving             | A           |
|                     | Revetments                        | A           |
|                     | Encroachments                     | A           |
|                     | Culverts: Inlets / Outlets        | N           |
|                     | Culverts: Breaks / Holes / Cracks | N           |
|                     | Metal Pipes                       | N           |
|                     | Trash Racks                       | N           |
|                     | Flap Gates                        | N           |
|                     | Sluice/Slide Gates                | A           |
|                     | Electric Gate Operators           | N           |
|                     | Manual Gate Operators             | A           |
|                     | Concrete Surfaces                 | A           |
|                     | Concrete Tilting / Settlement     | A           |
|                     | Concrete Foundations              | A           |
|                     | Security Fencing                  | N           |
|                     | Closure Structures                | N           |
|                     | Trash Rakes                       | N           |
|                     | Other Metallic Items              | A           |
|                     | Monolith Joints                   | N           |
|                     | Safety                            | A           |

**Flood Control Project Maintenance****Unit Cover Sheet****2011 Structure Inspection Results****Reclamation District No. 0999 Netherlands**

| Structure                  |
|----------------------------|
| Elk Slough Inlet Structure |

|                    |                    |
|--------------------|--------------------|
| Structure Rating   | <b>A</b>           |
| Date of Inspection | 7/19/2011          |
| DWR Inspector      | Richard Willoughby |
| Accompanied By     |                    |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Netherlands**

| Structure                  |  |  |  |  |  | Structure Length | Inspection Start/End     | Inspector          |
|----------------------------|--|--|--|--|--|------------------|--------------------------|--------------------|
| Elk Slough Inlet Structure |  |  |  |  |  |                  | 07/19/2011<br>07/19/2011 | Richard Willoughby |

  

| LMR No. | Levee Mile |      | Category   | Item                              | Location * | Rating ** | Action/Comment  | GPS Latitude/Longitude       |                              | Issue No. |
|---------|------------|------|------------|-----------------------------------|------------|-----------|---|------------------------------|------------------------------|-----------|
|         | Start      | End  |            |                                   |            |           |   | Start                        | End                          | Photo     |
| 1       |            |      | Structures | Photo Documentation               |            |           | Inspector Comments: Structure appears to maintained and able to function as designed. | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 1<br>Y    |
| 2       | 0.00       | 0.00 | Structures | Vegetation & Obstructions         |            | A         | Inspector Comments: Minimal vegetation on inlet side.                                 | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 2         |
| 3       | 0.00       | 0.00 | Structures | Shoaling / Sedimentation          |            | A         | Inspector Comments: No sedimentation present.   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 3         |
| 4       | 0.00       | 0.00 | Structures | Erosion / Bank Caving             |            | A         | Inspector Comments: No visible erosion near the structure                             | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 4         |
| 5       | 0.00       | 0.00 | Structures | Revetments                        |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 5         |
| 6       | 0.00       | 0.00 | Structures | Encroachments                     |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 6         |
| 7       | 0.00       | 0.00 | Structures | Culverts: Inlets / Outlets        |            | N         | Inspector Comments: Culvert outlet not viewable due to water level.                   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 7         |
| 8       | 0.00       | 0.00 | Structures | Culverts: Breaks / Holes / Cracks |            | N         | Inspector Comments: Not able to inspect culverts due to water level.                  | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 8         |
| 9       | 0.00       | 0.00 | Structures | Metal Pipes                       |            | N         | Inspector Comments: Not able to inspect metal pipe due to water level                 | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 9         |
| 10      | 0.00       | 0.00 | Structures | Trash Racks                       |            | N         | Inspector Comments: No trash rack installed.  | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 10        |
| 11      | 0.00       | 0.00 | Structures | Flap Gates                        |            | N         | Inspector Comments: Flap gate not viewable due to water level.                        | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 11        |
| 12      | 0.00       | 0.00 | Structures | Sluice/Slide Gates                |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 12        |
| 13      | 0.00       | 0.00 | Structures | Electric Gate Operators           |            | N         | Inspector Comments: Item does not exist on this structure                             | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 13        |
| 14      | 0.00       | 0.00 | Structures | Manual Gate Operators             |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 14        |
| 15      | 0.00       | 0.00 | Structures | Concrete Surfaces                 |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 15        |
| 16      | 0.00       | 0.00 | Structures | Concrete Tilting / Settlement     |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 16        |
| 17      | 0.00       | 0.00 | Structures | Concrete Foundations              |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 17        |

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2011**

**Netherlands**

| Structure                  | Structure Length | Inspection Start/End     | Inspector          |
|----------------------------|------------------|--------------------------|--------------------|
| Elk Slough Inlet Structure |                  | 07/19/2011<br>07/19/2011 | Richard Willoughby |

| LMR No. | Levee Mile |      | Category   | Item                 | Location * | Rating ** | Action/Comment  | GPS Latitude/Longitude       |                              | Issue No.<br>Photo |
|---------|------------|------|------------|----------------------|------------|-----------|---|------------------------------|------------------------------|--------------------|
|         | Start      | End  |            |                      |            |           |   | Start                        | End                          |                    |
| 18      | 0.00       | 0.00 | Structures | Security Fencing     |            | N         | Inspector Comments: Item does not exist on this structure | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 18                 |
| 19      | 0.00       | 0.00 | Structures | Closure Structures   |            | N         | Inspector Comments: Item does not exist on this structure | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 19                 |
| 20      | 0.00       | 0.00 | Structures | Trash Rakes          |            | N         | Inspector Comments: Item does not exist on this structure | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 20                 |
| 21      | 0.00       | 0.00 | Structures | Other Metallic Items |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 21                 |
| 22      | 0.00       | 0.00 | Structures | Monolith Joints      |            | N         | Inspector Comments: Item does not exist on this structure | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 22                 |
| 23      | 0.00       | 0.00 | Structures | Safety               |            | A         |   | 38.414063 °<br>-121.523357 ° | 38.414063 °<br>-121.523357 ° | 23                 |

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**Netherlands**

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|----------------------------|------------------|--------------------------|--------------------|
| Elk Slough Inlet Structure |                  | 07/19/2011<br>07/19/2011 | Richard Willoughby |

|   |                     |
|---|---------------------|
| Levee Mile Report Line                                  | 1                   |
| Start Levee Mile  |                     |
| End Levee Mile  |                     |
| Location  |                     |
| Category  | Structures          |
| Item  | Photo Documentation |
| Looking east at manual gate on inlet side of structure. |                     |
| richard_t_20110728_063.jpg                              |                     |



|  |                     |
|--|---------------------|
| Levee Mile Report Line                                       | 1                   |
| Start Levee Mile   |                     |
| End Levee Mile   |                     |
| Location   |                     |
| Category   | Structures          |
| Item   | Photo Documentation |
| Looking north on inlet side at manual gate and concrete box. |                     |
| richard_t_20110728_064.jpg                                   |                     |



|  |                     |
|--|---------------------|
| Levee Mile Report Line   | 1                   |
| Start Levee Mile   |                     |
| End Levee Mile   |                     |
| Location   |                     |
| Category   | Structures          |
| Item   | Photo Documentation |
| Looking northwest on inlet side at manual gate and concrete box. |                     |
| richard_t_20110728_065.jpg                                       |                     |

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|  |                     |
|--|---------------------|
| Levee Mile Report Line   | 1                   |
| Start Levee Mile   |                     |
| End Levee Mile   |                     |
| Location   |                     |
| Category   | Structures          |
| Item   | Photo Documentation |
| Looking southwest on inlet side at manual gate and concrete box. |                     |
| richard_t_20110728_066.jpg                                       |                     |



|  |                     |
|--|---------------------|
| Levee Mile Report Line   | 1                   |
| Start Levee Mile   |                     |
| End Levee Mile   |                     |
| Location   |                     |
| Category   | Structures          |
| Item   | Photo Documentation |
| Looking southwest on outlet side pipe not viewable due to water level. |                     |
| richard_t_20110728_067.jpg   |                     |

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